

Figure 1

1/16

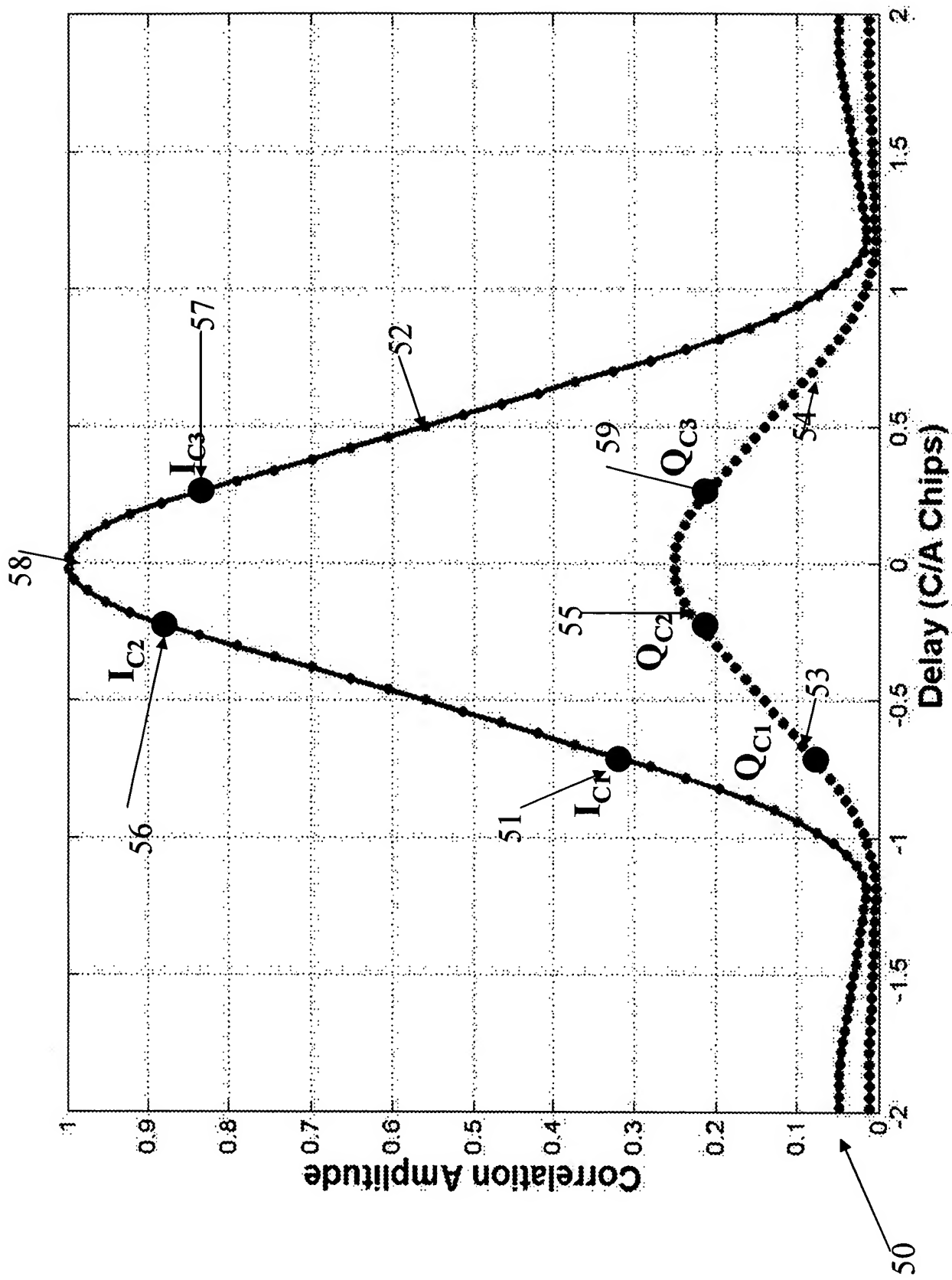


Figure 2 - Example In-phase and Quadrature correlation functions.

3/16

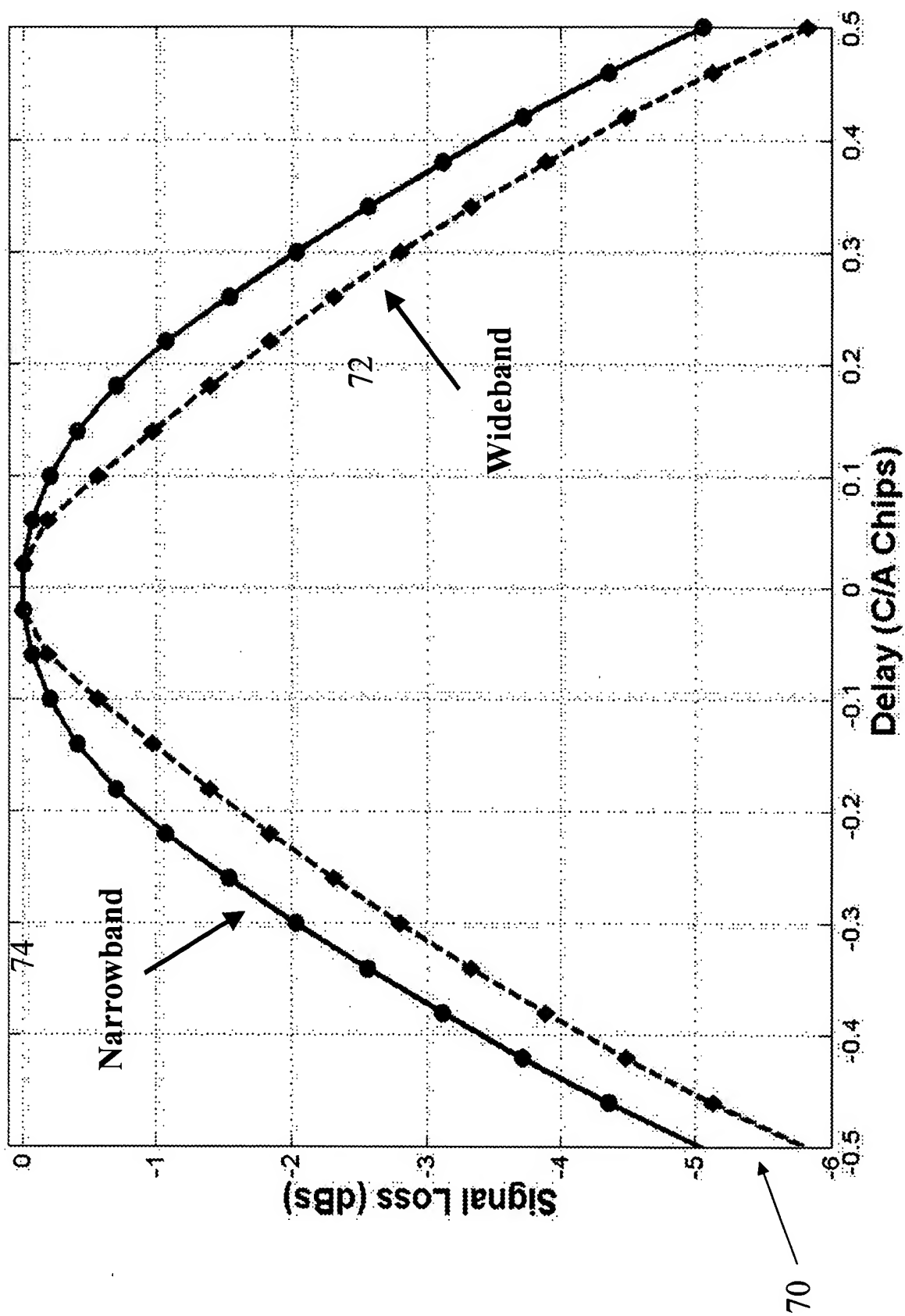
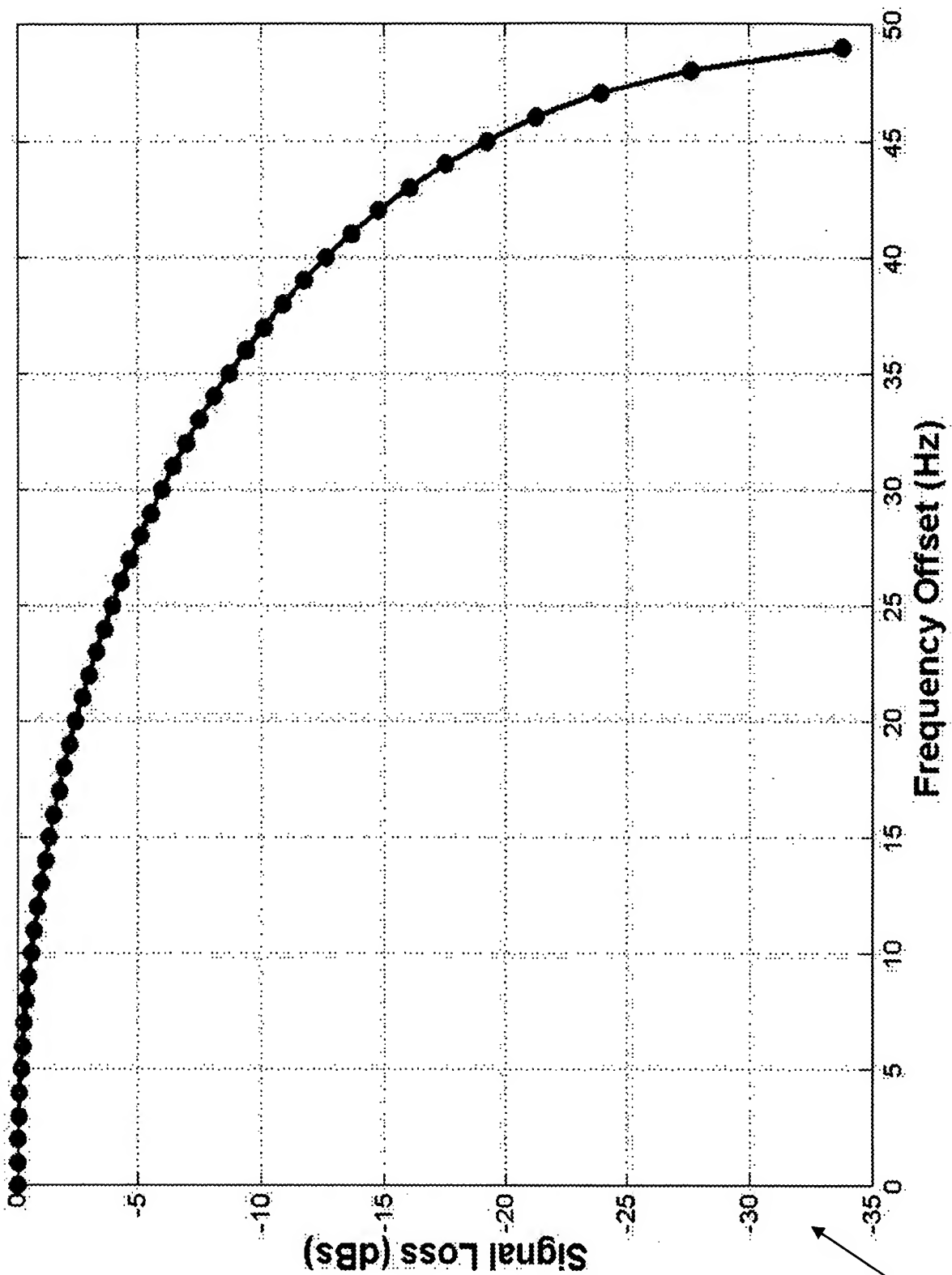


Figure 3 - Signal loss versus code phase offset.

4/16



80

Figure 4a - Signal loss versus carrier frequency offset.

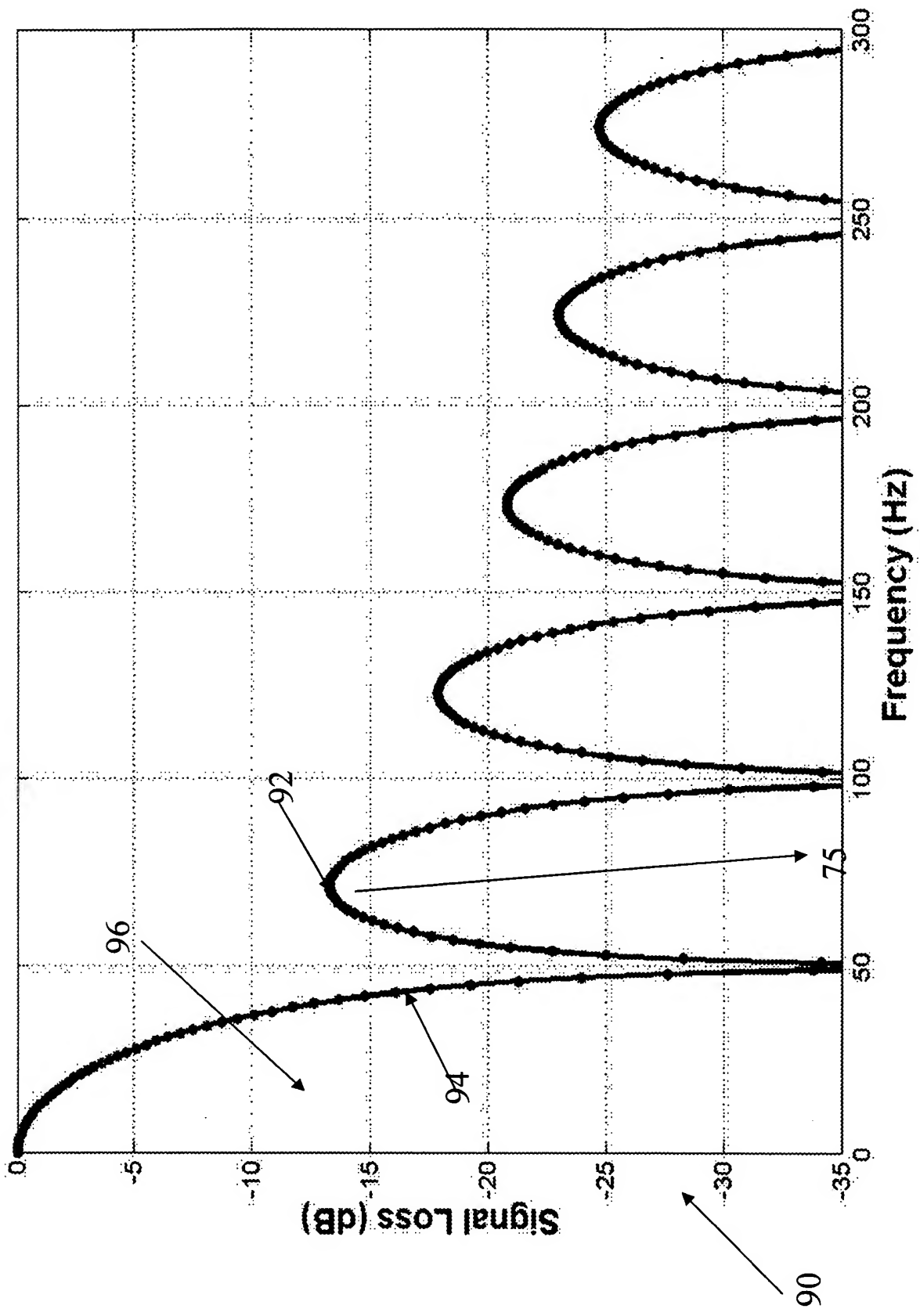


Figure 4b - Signal loss versus carrier frequency offset, zoomed out.

6/16

A-1455/Tauk-229

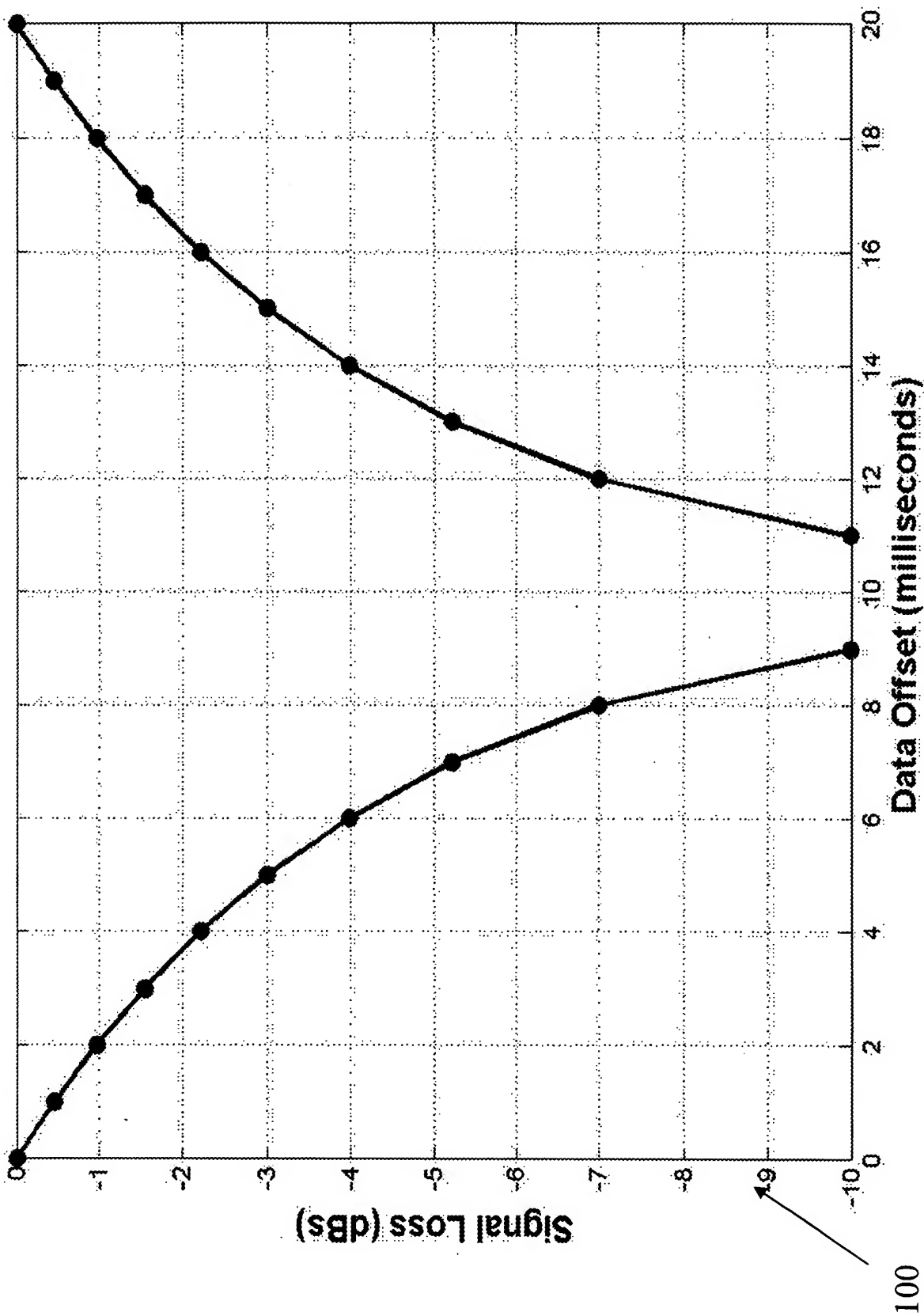


Figure 5 - Signal loss versus data time offset.

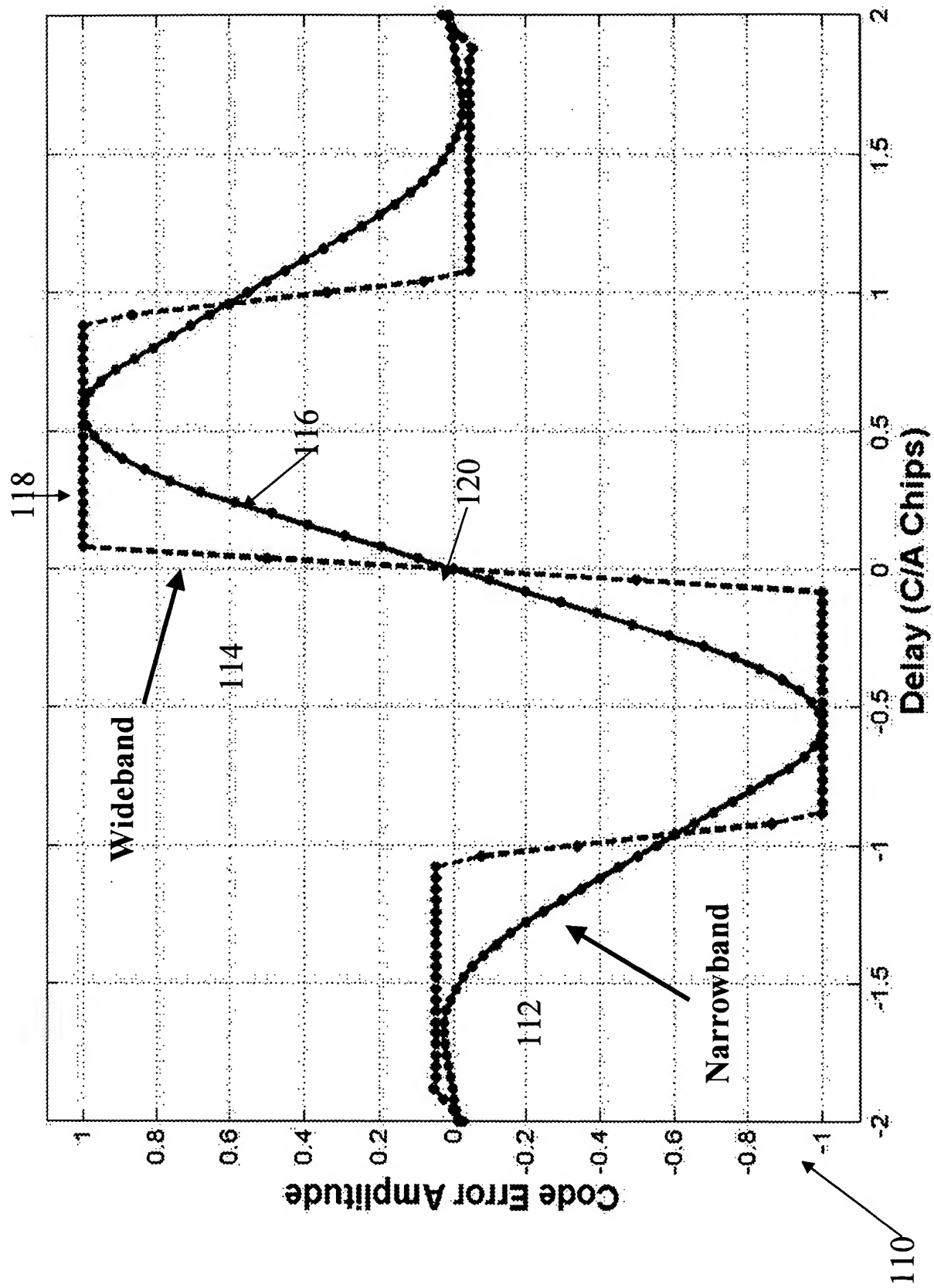


Figure 6 - Code tracking functions.

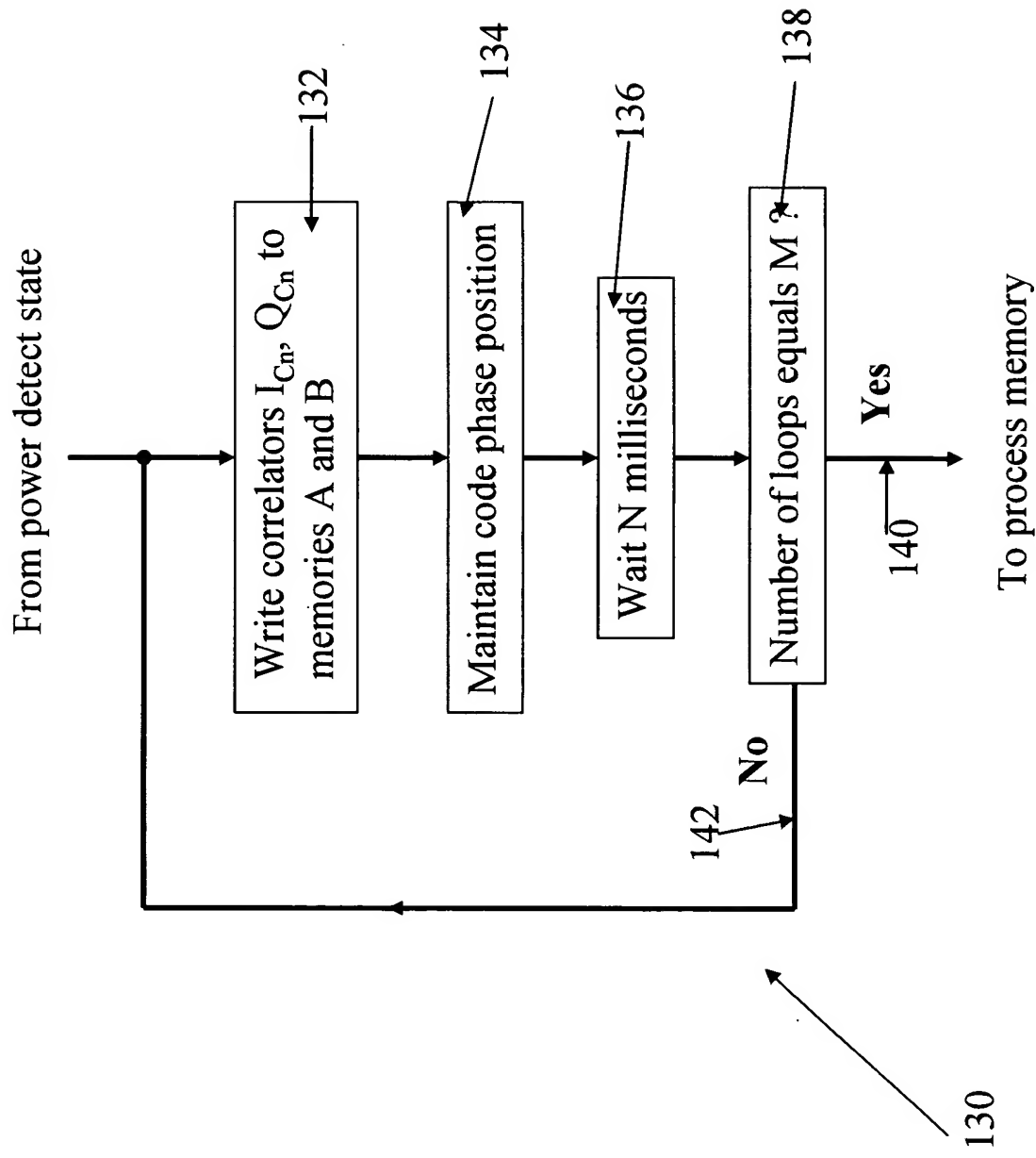


Figure 7 - Correlator log to memory.



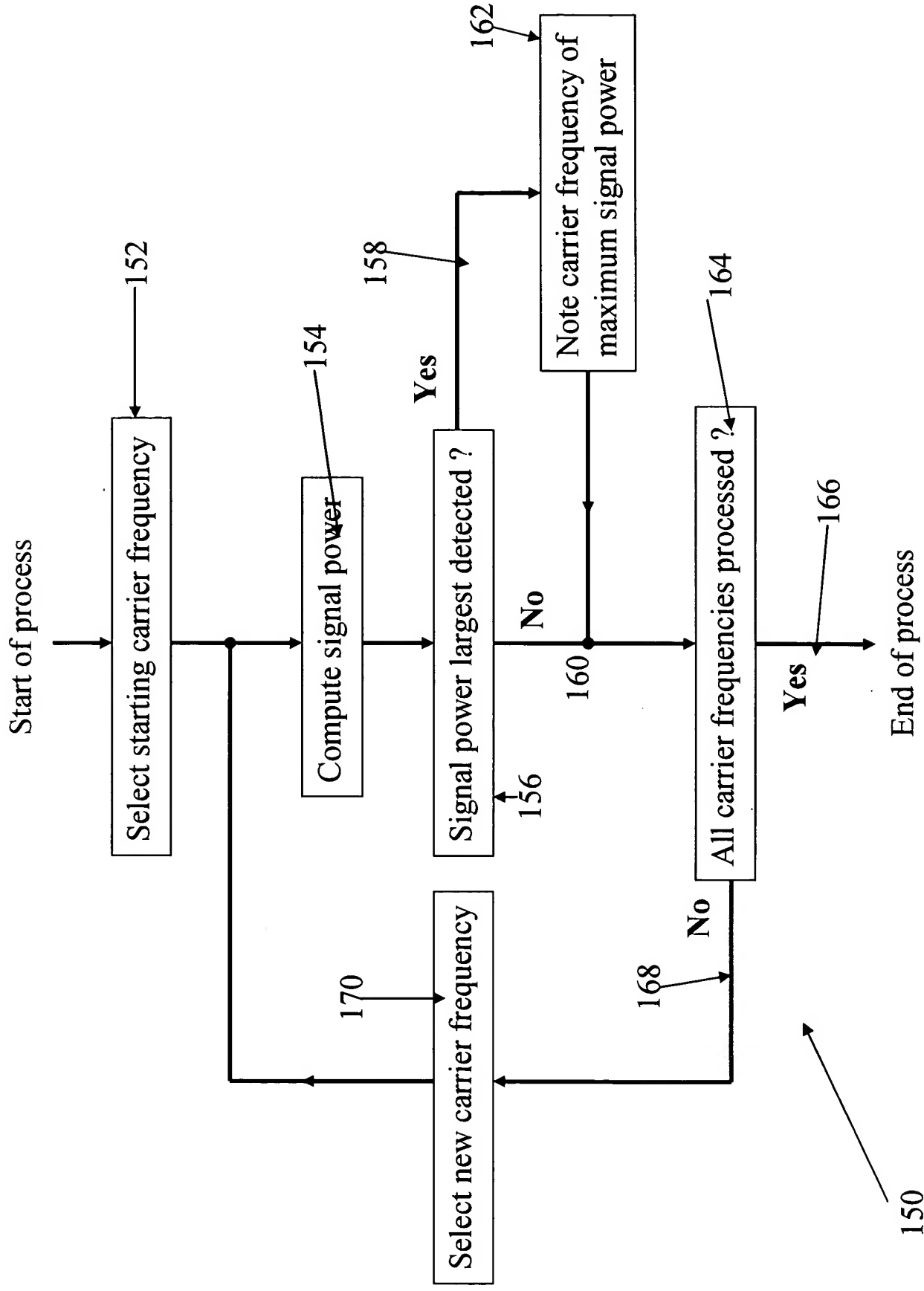
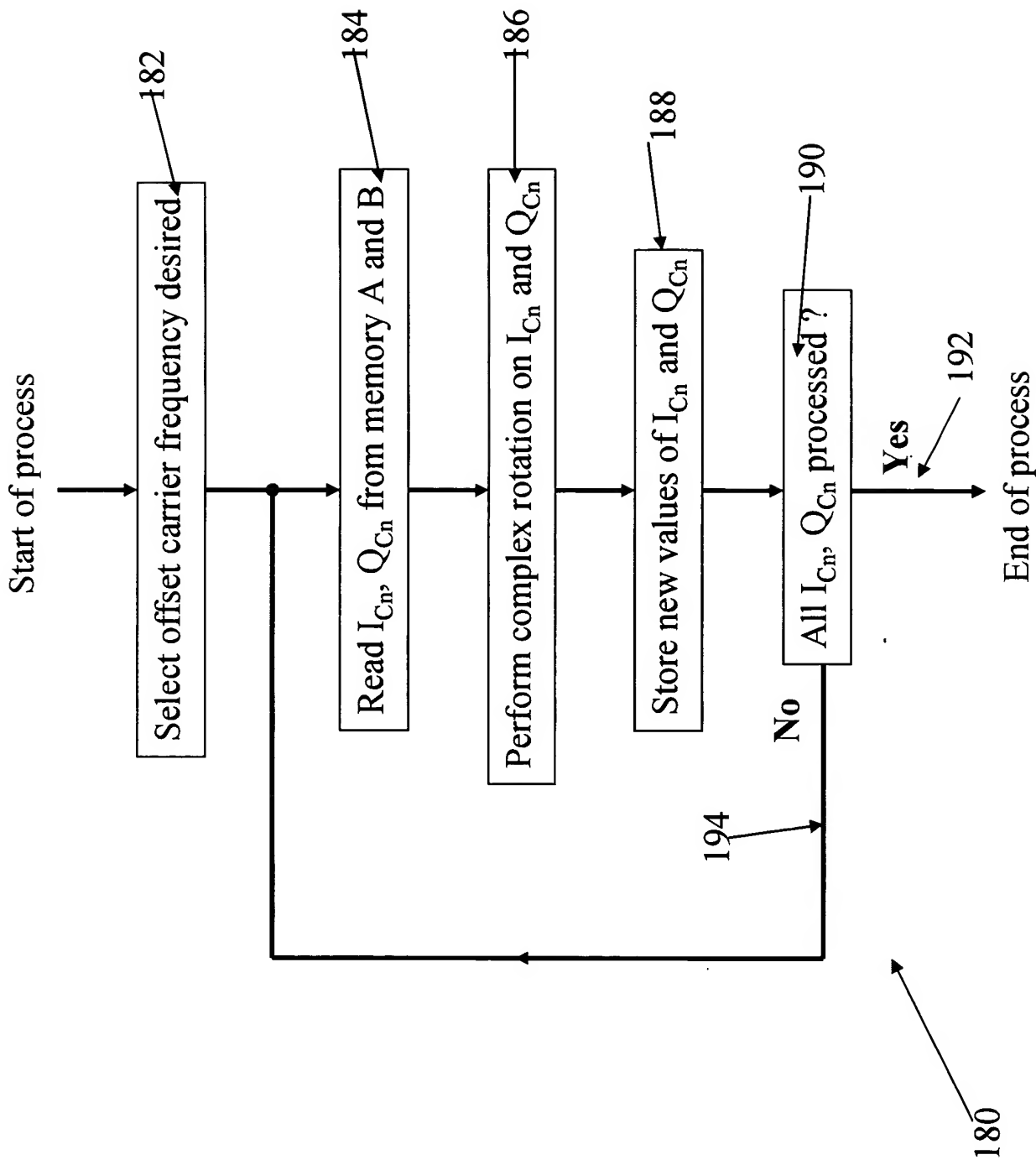
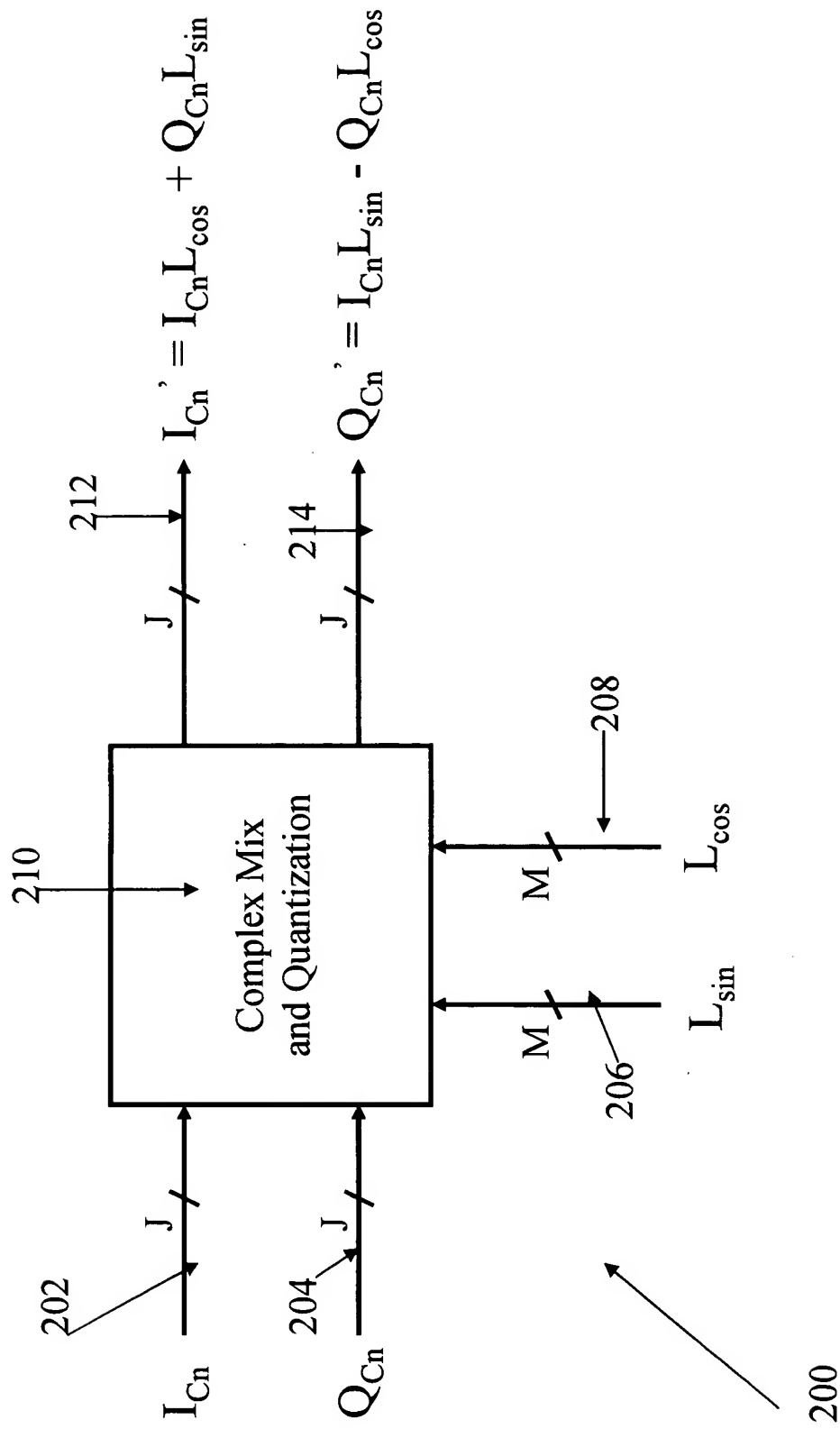


Figure 8 - Carrier Frequency False Lock Detection Process



10/16

Figure 9 - Carrier frequency changing process



11/16

Figure 10 - Carrier complex mix operation

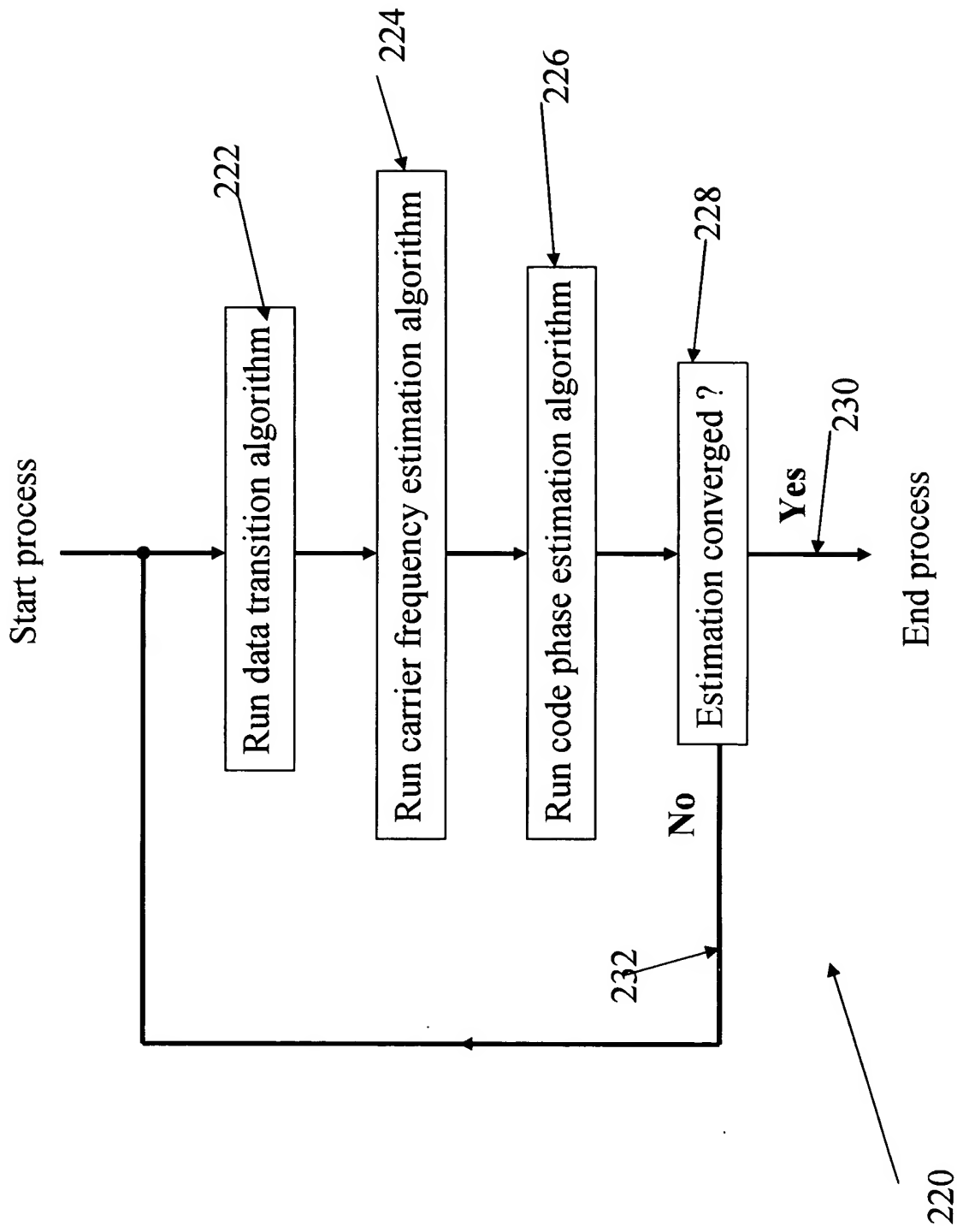


Figure 11 - Acquisition flow diagram

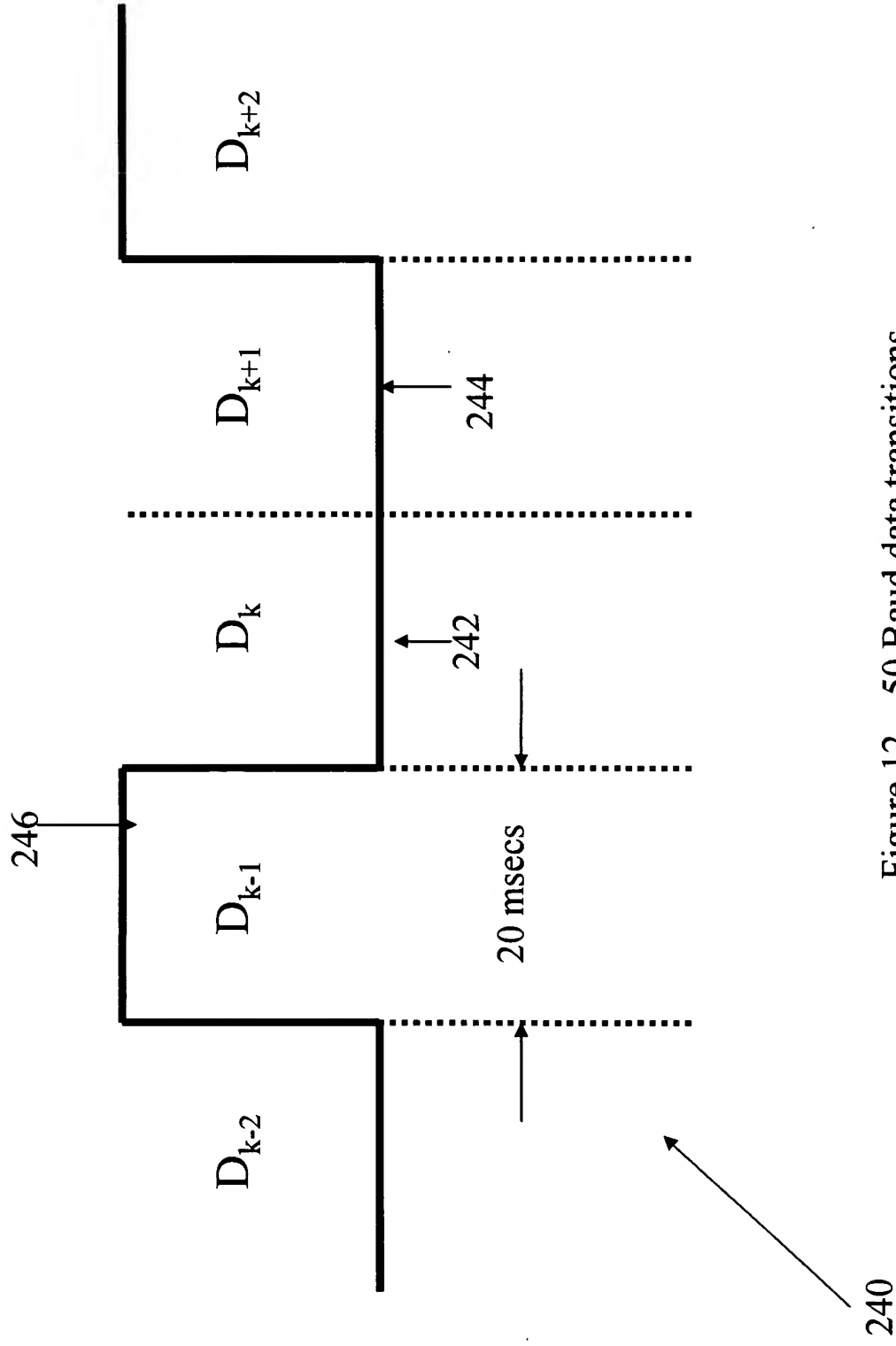


Figure 12 – 50 Baud data transitions

14/16

A-1455/Tank-229

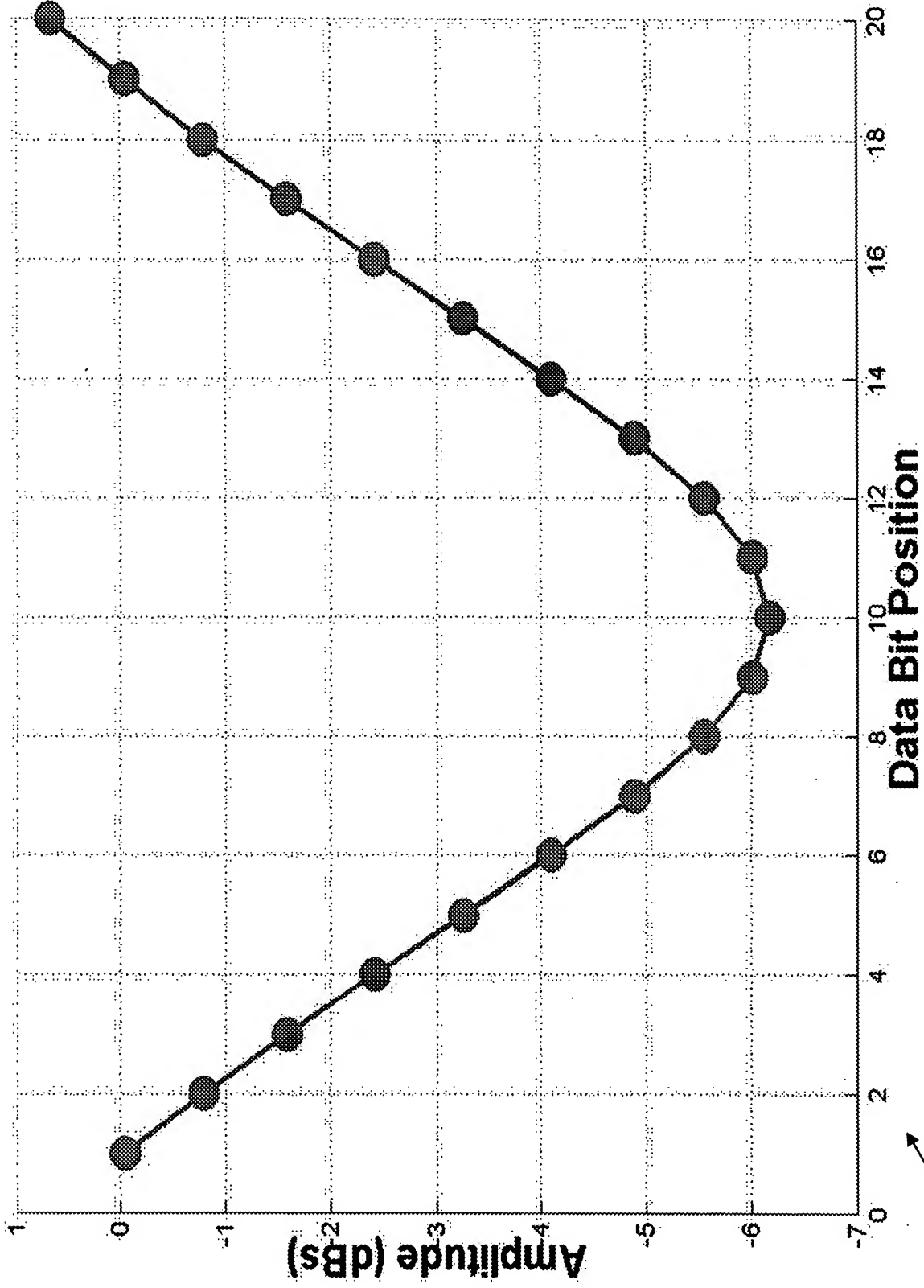
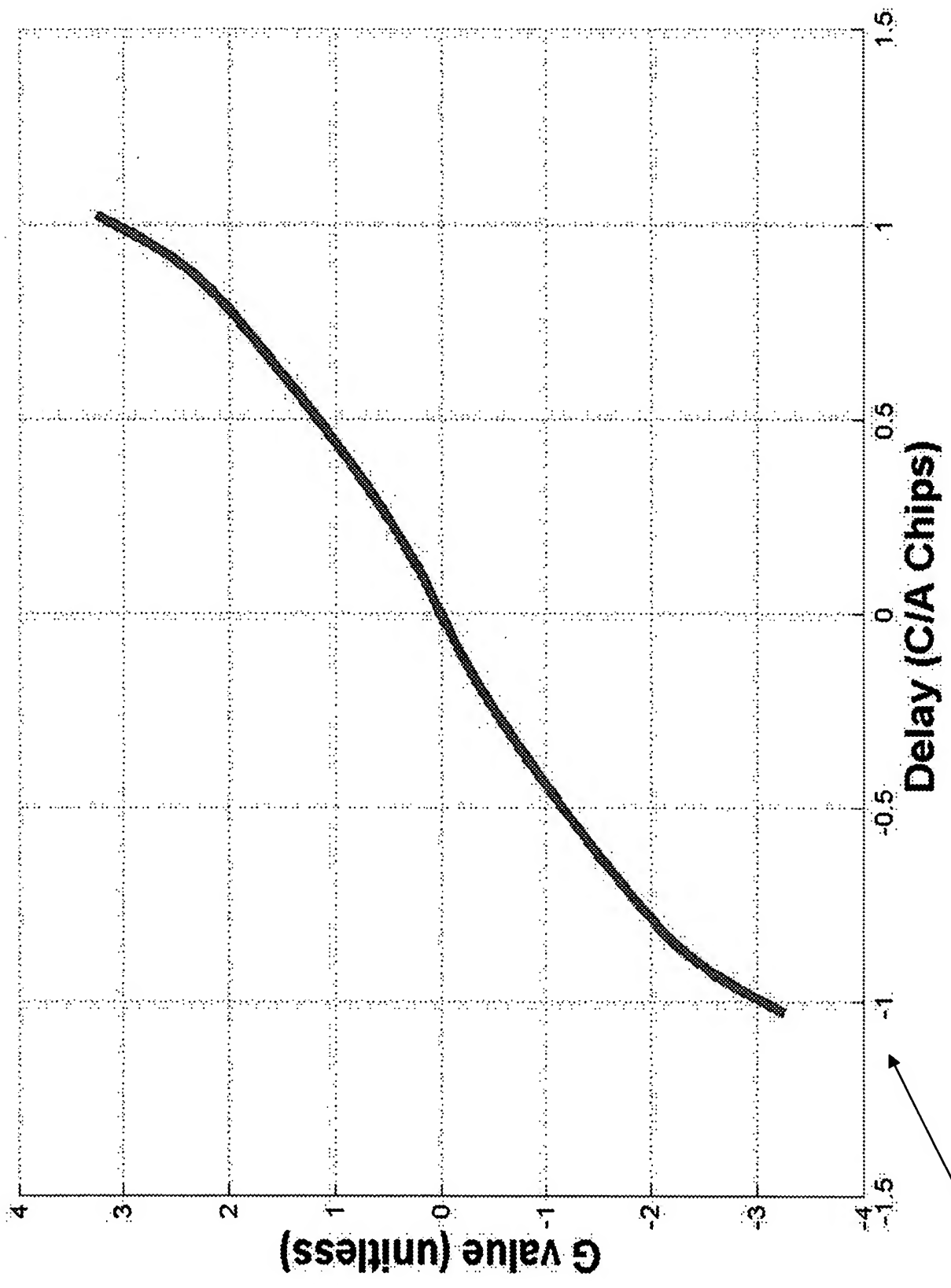


Figure 13

250

15/16



260

Figure 14

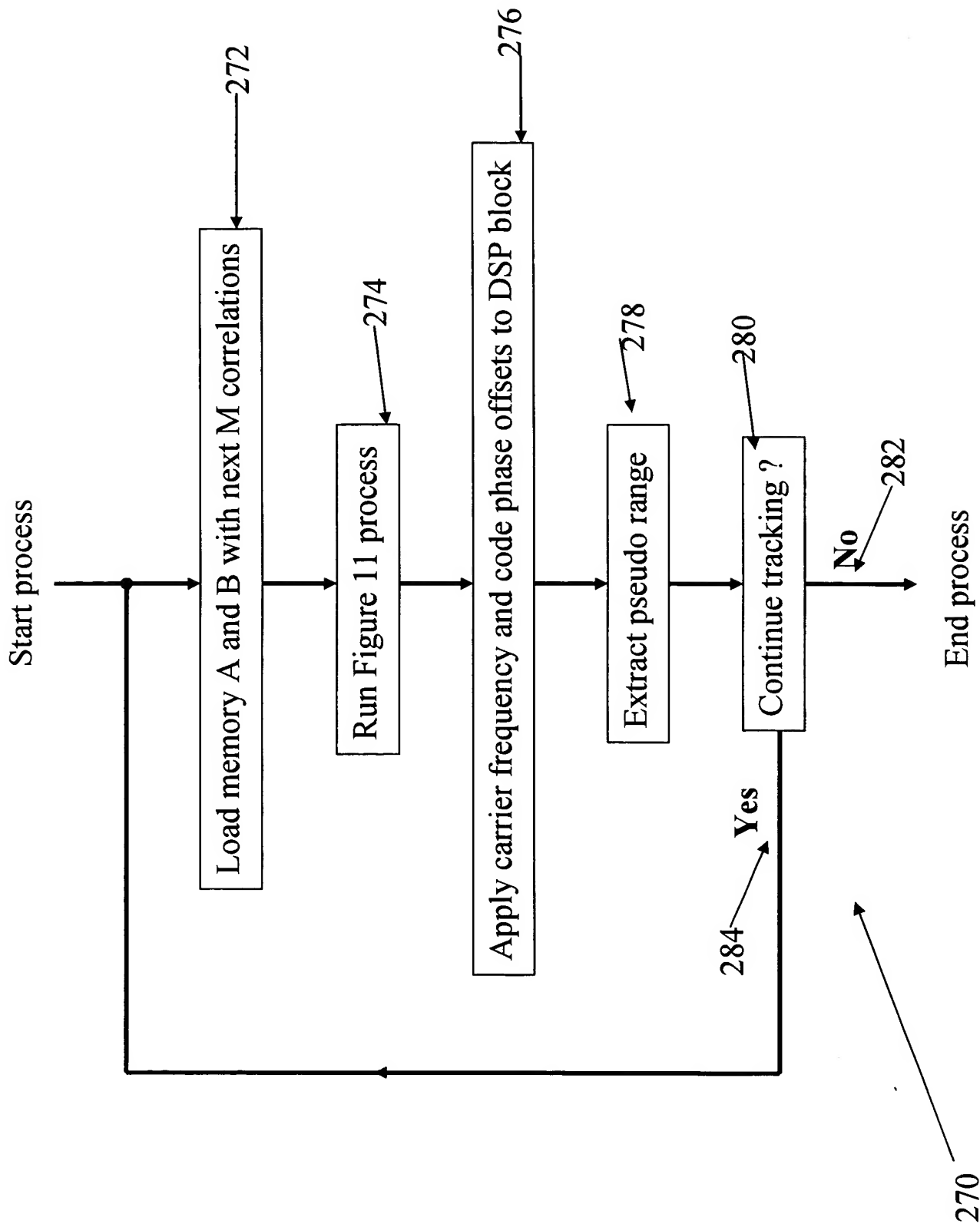


Figure 15 - Tracking flow diagram